



Stantec

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November 11, 2008
File: LV2008008

Kentucky Office of the 911 Coordinator/CMRS Board
200 Mero Street
Frankfort, KY 40622

Attention: Mr. Ralph Coldiron

Dear Mr. Coldiron:

**Reference: CMRS Geospatial Audit
Harrodsburg Police Department
411 N. Greenville Street
Harrodsburg, KY 40330**

The Geospatial Audit of Harrodsburg Police Department located in Mercer County was conducted on 10/31/2008. Harrodsburg Police Department provides wireless 9-1-1 service for Mercer County.

PSAP MAPPING SUMMARY

Information on the mapping solution employed by the PSAP was collected as part of the audit process, which includes the type of software and system, the vendor, the version and the layers being used at the time of the audit. In addition, this summary may include notes and observations taken while conducting the audit. 202 KAR 6:100 specifies the requirements of mapping software used in certified PSAPs. The software used by Harrodsburg Police Department meets this requirement.

FIELD DATA TESTING

In accordance to the requirements of the Geospatial Audit, 20 random points for jurisdiction of the PSAP or for each county served by the PSAP were tested by collecting field GPS information and address information and comparing the results of plotting the two elements with the 9-1-1 solution employed by the PSAP. The result of this portion of the audit is that 90% of the points tested met the criteria of the Audit. Passing criteria is that 90% of the points tested shall meet the criteria set forth in 202 KAR 6:100, Section 4, Paragraph 4.

WIRELESS 9-1-1 FUNCTION

In accordance to the requirements of the Geospatial Audit, 20 wireless 9-1-1 calls were documented for data, software, and mapping function. The result of this portion of the audit is that 100% of the calls documented met the criteria of the Audit. Passing criteria is that 66% of the points tested shall meet the criteria set forth in 202 KAR 6:100, Section 4, Paragraph 3.

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Reference: CMRS Geospatial Audit

CONCLUSION

Mapping Component	<u>Meets audit criteria</u>
Field Data Component	<u>Meets audit criteria with</u> 90% of points tested meeting criteria
Wireless Data Component	<u>Meets audit criteria with</u> 100% of calls tested meeting criteria

Based on the results of the audit, Harrodsburg Police Department meets the standards set by legislation and administrative regulation.

The detailed documentation of the audit with observations and recommendations is attached. The documentation is separated into a report of the software and data used by the PSAP with observations and recommendations; Field Data Report; and Wireless Data Report. Please note that supporting printouts and printed maps are included in the electronic copy of this report.

Sincerely,

Stantec Consulting Services Inc.

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GIS Project Manager
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Attachment: Report Details

c. Files

j v:\1756\active\175658008\gis\merged summary letter.doc

PSAP Mapping Component Summary

PSAP Name *Harrodsburg Police Department*

Address 411 N. Greenville Street

Audit Date 10/31/2008

City Harrodsburg

Audit Personnel MCCORMICK

Contact Lt. Col. Rodney Harlow

Contact Title Assistant Chief of Police

Software	Version	Vendor
INTERACT GEO 911	5.8	INTERACT PUBLI

Mapping Layers Used

Road Centerlines: ☒

Point Addresses: ☒

Ortho Photography: ☒

Other Layers: ☒ **Type of 'other' layers used by PSAP:**

The map has 11 layers: Address, Roads, Fire Hydrants, Parcels, Streams, Rivers, Burgin City limits, Harrodsburg, County Boundaries, Mercer SPS, Mercer SID

Notes and Observations:

Observations and comments:

The map was last updated on 10/28/08 and the frequency of updates is as needed. The data is supplied by the Building inspector - Bill Durham and the data is installed in the system by police Chief - Lt. Col. Rodney Harlow.

The data from the map was obtained by Lt. Col. Rodney Harlow and the wireless calls were obtained by Gail Napier

PSAP Audit-Field Data Report

PSAP NAME	Harrodsburg Police Department		Field Date:	9/23/2008	
PHONE 24X7	Contact	Contact Phone	Field Team:	LEXINGTON	
859-734-3311	Lt. Col. Rodney Harlow	859-734-3451	PSAP Audit Date:	10/31/2008	
			PSAP Auditor:	MCCORMICK	

County		LAT LONG	Address Point		Cross Street 1 Cross Street 2		Address Plot? XY Plot?	Distance between Cross Street?	Side Match	Point Passes Test	Comments:
MERCER	1	37.811564 -84.7667	2787	LEXINGTON RD	SEXTON RD SHAKERTOWN RD	N	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	370	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
MERCER	2	37.812509 -84.8254	2038	WARWICK RD	CHINN LN MCCROSKEY PKE	W	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	53	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
MERCER	3	37.845142 -84.84743	149	DUNN LN	LOUISVILLE RD UNITY RD	N	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	53	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
MERCER	4	37.885205 -84.77548	2450	CUMMINS FERRY RD	CUMMINS FERRY RD NC MILLER DEAN RD	E	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	53	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

County		LAT LONG	Address Point	Cross Street 1 Cross Street 2		Address Plot? XY Plot?	Distance between Cross Street?	Side Match	Point Passes Test	Comments:
MERCER	5	37.894731 -84.81159	2168 OREGON RD	CUMMINS FERRY RD OREGON LANDING RD	W	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	291	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
MERCER	6	37.860889 -84.85228	3215 LOUISVILLE RD	CUMMINS FERRY RD HAGAN LN	E	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	106	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
MERCER	7	37.854718 -84.89063	977 TALMAGE-MAYO RD	KEENON RD WARD LN	N	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	53	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
MERCER	8	37.899366 -84.88903	208 BARDSTOWN RD	VANARSDALL RD KIRKWOOD RD	W	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	5	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
MERCER	9	37.874996 -84.97190	1360 FAIRVIEW RD	TALMAGE-MAYO RD BOHON RD	W	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	175	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
MERCER	10	37.824870 -84.94986	3441 BOHON RD	MANNS RD CENTRAL PKE	N	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	175	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

County		LAT LONG	Address Point	Cross Street 1 Cross Street 2		Address Plot?	XY Plot?	Distance between Cross Street?	Side Match	Point Passes Test	Comments:
MERCER	12	37.747403 -84.93388	2528 MACKVILLE RD	BRUNERS CHAPEL RD JOHNSON RD	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
MERCER	14	37.750545 -84.85725	771 PERRYVILLE RD	HENRICO RD DRY BRANCH RD	E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	53	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
MERCER	15	37.754211 -84.84156	581 BEAUMONT AVE	ASPEN HALL DR MIDLAND DR	E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	53	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
MERCER	16	37.775064 -84.85885	869 SCOOTER AVE	MOBERLY CLAY AVE	N	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	53	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
MERCER	17	37.781613 -84.81075	1392 LEXINGTON RD	HANDY RD BIRCH AVE	E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	53	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
MERCER	18	37.752795 -84.76686	124 MAPLE ST	E MILL ST E MAIN ST	W	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

County		LAT LONG		Address Point	Cross Street 1 Cross Street 2		Address Plot? XY Plot?	Distance between Cross Street?	Side Match	Point Passes Test	Comments:
MERCER	19	37.747852 -84.75966	418	DANVILLE ST	BENTON ST PARADISE CAMP RD	E	<input type="checkbox"/> <input checked="" type="checkbox"/>	0	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	
MERCER	20	37.737443 -84.75331	136	PARADISE CAMP RD	TRAILS END HIGHWAY 33 S	S	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	5	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
MERCER	21	37.865183 -84.86323	311	PROVIDENCE RD	ROBB RD LOUISVILLE RD NC	N	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	158	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
MERCER	22	37.760291 -84.84232	227	S GREENVILLE ST	E POPLAR ST E OFFICE ST	E	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	5	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

Average Distance Between x,y and address point:

85.95

Points meeting criteria of audit:

18

Minimum Distance Between x,y and address point:

0

Points NOT meeting criteria of audit:

2

Maximum Distance Between x, y and address point:

370

Percent of points passing criteria of audit:

90.00%

PSAP Name ***Harrodsburg Police Department***

Wireless Data Detail Report

PSAP Name **Harrodsburg Police Department****Wireless Data Detail Report**

Carrier	ATT								
Calling Number	LAT	LONG	Tower and Face	Plot	Printout	Date	Time	Phase	Pass
(859) 613-1672	0	0	510 LAUREN DR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	10/31/2008	12:30	2	<input checked="" type="checkbox"/>
Comments:					(1) Lat/ Long In Degrees-Minutes-Seconds Lat = 37.46.25 Long = -86.50.75				
(859) 613-5642	0	0	510 LAUREN DR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	10/31/2008	12:24	2	<input checked="" type="checkbox"/>
Comments:					(1) Lat/ Long In Degrees-Minutes-Seconds Lat = 37.45.07 Long = -86.50.62				
(859) 613-1231	0	0	510 LAUREN DR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	10/31/2008	12:21	2	<input checked="" type="checkbox"/>
Comments:					(1) Lat/ Long In Degrees-Minutes-Seconds Lat = 37.45.96 Long = -86.50.69				
(859) 613-3124	0	0	510 LAUREN DR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	10/31/2008	12:18	2	<input checked="" type="checkbox"/>
Comments:					(1) Lat/ Long In Degrees-Minutes-Seconds Lat = 37.46.84 Long = -86.50.88				
(859) 325-0651	0	0	510 LAUREN DR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	10/31/2008	12:05	2	<input checked="" type="checkbox"/>
Comments:					(1) Lat/ Long In Degrees-Minutes-Seconds Lat = 37.46.25 Long = -86.50.75				
(859) 325-3609	0	0	3049 LOUISVILLE RD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	10/31/2008	12:04	2	<input checked="" type="checkbox"/>
Comments:					(1) Lat/ Long In Degrees-Minutes-Seconds Lat = 37.51.87 Long = -86.44.20				
(859) 613-5649	0	0	510 LAUREN DR	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10/31/2008	12:36	2	<input checked="" type="checkbox"/>
Comments:					(1) Lat/ Long In Degrees-Minutes-Seconds Lat = 37.45.96 Long = -86.50.69				
(859) 319-2100	0	0	510 LAUREN DR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	10/31/2008	12:37	2	<input checked="" type="checkbox"/>
Comments:					(1) Lat/ Long In Degrees-Minutes-Seconds Lat = 37.44.88 Long = -86.50.95				
(502) 553-4281	0	0	510 LAUREN DR.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	10/31/2008	11:33	2	<input checked="" type="checkbox"/>
Comments:					(1) Lat/ Long In Degrees-Minutes-Seconds Lat = 37.46.25 Long = -86.50.75				

<i>PSAP Name</i>		<i>Harrodsburg Police Department</i>		Wireless Data Detail Report					
(859) 325-0799	0	0	510 LAUREN DR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	10/31/2008	11:45	2	<input checked="" type="checkbox"/>
				Comments:	(1) Lat/ Long In Degrees-Minutes-Seconds Lat = 37.45.26 Long = -86.50.69				
(859) 613-8737	0	0	510 LAUREN DR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	10/31/2008	11:50	2	<input checked="" type="checkbox"/>
				Comments:	(1) Lat/ Long In Degrees-Minutes-Seconds Lat = 37.44.84 Long = -86.50.38				
(859) 325-0663	0	0	510 LAUREN DR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	10/31/2008	11:47	1	<input checked="" type="checkbox"/>
				Comments:	(1) Lat/ Long In Degrees-Minutes-Seconds Lat = 37.44.31 Long = -86.50.39				
Summary for ATT (12 detail records)									
Phase 0		Phase 1		Phase 2		Points meeting audit criteria			
0		1		11		12			

PSAP Name Harrodsburg Police Department**Wireless Data Detail Report**

Carrier		SPRINT							
Calling Number	LAT	LONG	Tower and Face	Plot	Printout	Date	Time	Phase	Pass
(859) 265-7899	0	0	510 LAUREN DR	✓	✓	10/31/1981	11:56	2	✓
Comments:					(1) Lat/ Long In Degrees-Minutes-Seconds Lat = 37.45.84 Long = -86.50.66				
(859) 265-0779	0	0	510 LAUREN DR	✓	✓	10/31/2008	12:31	1	✓
Comments:					(1) Lat/ Long In Degrees-Minutes-Seconds Lat = 37.44.31 Long = -86.50.39				
(859) 265-0639	0	0	510 LAUREN DR	✓	✓	10/31/2008	12:35	1	✓
Comments:					(1) Lat/ Long In Degrees-Minutes-Seconds Lat = 37.44.31 Long = -86.50.39				
(859) 265-7899	0	0	510 LAURENDR	✓	✓	10/31/2008	11:54	1	✓
Comments:					(1) Lat/ Long In Degrees-Minutes-Seconds Lat = 37.44.31 Long = -86.50.39				
(859) 265-0858	0	0	1072 DANVILLE RD	✓	✓	10/31/2008	11:59	1	✓
Comments:					(1) Lat/ Long In Degrees-Minutes-Seconds Lat = 37.45.78 Long = -86.50.38				
(859) 612-9646	0	0	1072 DANVILLE RD	✓	✓	10/31/2008	11:53	2	✓
Comments:					(1) Lat/ Long In Degrees-Minutes-Seconds Lat = 37.45.45 Long = -86.50.44				

Summary for SPRINT (6 detail records)

Phase 0**Phase 1****Phase 2****Points meeting audit criteria**

0

4

2

6

PSAP Name **Harrodsburg Police Department****Wireless Data Detail Report**

Carrier		TMOBILE							
Calling Number	LAT	LONG	Tower and Face	Plot	Printout	Date	Time	Phase	Pass
(859) 247-1590	0	0	1072 DANVILLE RD SEC N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	10/31/2008	12:26	1	<input checked="" type="checkbox"/>
Comments:					(1) Lat/ Long In Degrees-Minutes-Seconds Lat = 37.44.31 Long = -86.50.38 (2)This T-Mobile call did not plot like all other calls but did give the X,Y and address of tower				
(859) 247-1010	0	0	1072 DANVILLE RD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	10/31/2008	12:13	1	<input checked="" type="checkbox"/>
Comments:					(1) Lat/ Long In Degrees-Minutes-Seconds Lat = 37.44.31 Long = -86.50.38				

Summary for TMOBILE (2 detail records)

Phase 0	Phase 1	Phase 2	Points meeting audit criteria
0	2	0	2

Summary for harrodsburg (20 detail records)

	Phase 0	Phase 1	Phase 2	Points meeting audit criteria
Total Phase Typ	0	7	13	20
% by Phase Typ	0.00%	35.00%	65.00%	100.00%